

(19) World Intellectual Property Organization International Bureau

(43) International Publication Date
24 February 2005 (24.02.2005)

PCT

(10) International Publication Number
WO 2005/016999 A1(51) International Patent Classification⁷: C08J 3/00, C08K 3/20, C08L 75/00, C08F 8/30, 283/04(21) International Application Number:
PCT/US2004/026133

(22) International Filing Date: 12 August 2004 (12.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/494,667 13 August 2003 (13.08.2003) US

(71) Applicant (for all designated States except US): THE VALSPAR CORPORATION [US/US]; 1101 Third Street South, Minneapolis, Minnesota 55415 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): KILLILEA, T., Howard [IE/US]; 70 Deer Hills Court, North Oaks, Minnesota 55127 (US).

(74) Agents: STEFFEY, Charles, E. et al.; P.O. Box 2938, Minneapolis, Minnesota 55402 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/016999 A1

(54) Title: WATER-BASED POLYURETHANE - POLYETHYLENE COMPOSITIONS

(57) Abstract: The present invention provides water dispersible polyurethane-polyethylene compositions (or dispersions) having a sulfonated polyurethane polymer and a polyethylene polymer (second polymer). The polyurethane polymer is a reaction product of a polyisocyanate, and a sulfonated polyol.